

a' cont.
2. (Amended) The motor of claim 1, wherein:

the at least one pump stage further comprises a second pump stage having an impeller and a diffuser mounted in the housing downstream of the first pump stage for further pressurizing the lubricant.

3. (Amended) The motor of claim 1, wherein:

the diffuser is upstream of the impeller.

4. (Amended) The motor of claim 1, wherein:

the pump stage is oriented for discharging lubricant in an opposite direction from the bearings.

5. (Amended) The motor of claim 1, wherein:

the impeller of the pump stage has substantially radial flow passages.

6. (Amended) The motor of claim 1, wherein:

a chamber is located in a lower portion of the housing for containing a volume of lubricant;

*A1
cancel*
the shaft is hollow, and the flow passage is within the shaft for communicating fluid from the chamber to the bearings; and

the pump stage discharges downward.

*Sub
B3*
7. (Amended) An electric submersible pump assembly for a well, the assembly comprising:

an electrical motor having a shaft and a bearing located within a housing that is adapted to be filled with lubricant;

a chamber located in a lower portion of the housing for containing a volume of lubricant;

a flow passage within the shaft leading from the chamber to the bearing;

first and second centrifugal lubricant pump stages, each pump stage located in the chamber of the housing and each having an impeller attached to and rotating with the shaft and a mating diffuser for pressurizing the lubricant; and

a pump exterior of the motor and connected to the shaft for pumping well fluid.

New Claims:

*A2
cancel
Sub
B4*
12. A method of operating an electric motor having a shaft and a bearing located within a housing that is adapted to be filled with lubricant, comprising:

*a2
cancel* mounting at least one centrifugal lubricant pump stage in the housing, the pump stage having an impeller attached to and rotating with the shaft and a mating diffuser for pressurizing the lubricant;

supplying power to the motor to cause the shaft and the impeller to rotate; and

*sub
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cancel* with the pump stage, applying pressure to the lubricant and flowing the lubricant to the bearing.

13. The method of claim 12 wherein the pressure of the lubricant is at least about 30 pounds per square inch.

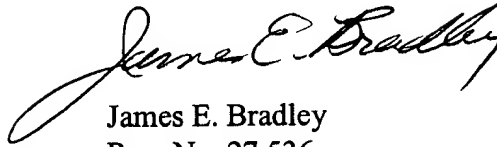
REMARKS

In response to the restriction request mailed May 22, 2002, applicants elect claims 1-9 without traverse. Applicants have canceled claims 10 and 11. Applicants have amended claims 1-7 to correct informalities. Applicants have also added claims 12 and 13, which Applicants submit should not be restricted.

The process claimed in claim 12 has the same limitations as claim 1, thus could not be practiced by another materially different apparatus. Also, operating the apparatus of claim 1 will necessarily result in the steps of claim 12. The apparatus of claim 1 cannot be used to practice another and materially different process than claimed in claim 12.

Applicants respectfully request favorable consideration.

Respectfully submitted,



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